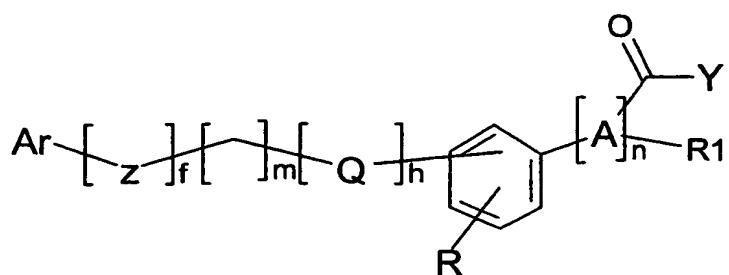


**CLAIMS**

## 1. Formula (I) compounds:



where:

A is CH; alkanylilidene with 2 to 4 carbon atoms,  
particularly CH<sub>2</sub>-CH; alkenylilidene with 2 to 4 carbon  
atoms, particularly CH=C;

Ar is monocyclic or bicyclic C<sub>6</sub>-C<sub>10</sub> aryl or heteroaryl,  
containing one or more heteroatoms selected from the  
group consisting of nitrogen, oxygen and sulphur, possibly  
substituted by halogens, NO<sub>2</sub>, OH, C<sub>1</sub>-C<sub>4</sub> alkyl and alkoxy,  
said alkyl and alkoxy possibly substituted by at least one  
halogen; monocyclic, bicyclic or tricyclic arylalkyl or  
heteroarylalkyl containing one or more heteroatoms  
selected from the group consisting of nitrogen, oxygen and  
sulphur, where the alkyl residue contains from 1 to 3  
carbon atoms, said arylalkyl or heteroarylalkyl possibly  
substituted by halogens, NO<sub>2</sub>, OH, C<sub>1</sub>-C<sub>4</sub> alkyl and alkoxy,

said alkyl and alkoxy possibly substituted by at least one halogen;

f is the number 0 or 1;

h is the number 0 or 1;

5 m is a whole number from 0 to 3;

n is the number 0 or 1 and if n is 0, R<sub>1</sub> is absent, and COY is directly bound to benzene);

Q and Z, which may be the same or different, are selected from the group consisting of NH, O, S, NHC(O)O, NHC(O)NH, NHC(O)S, OC(O)NH, S(CO)NH, C(O)NH, and NHC(O);

R is selected from R<sub>2</sub>, OR<sub>2</sub>;

R<sub>1</sub> is selected from H, COW, SO<sub>3</sub><sup>-</sup>, OR<sub>3</sub>, =O, CN, NH<sub>2</sub>, NHCO(C<sub>6</sub>-C<sub>10</sub>)Ar, where Ar may possibly be substituted by halogens, NO<sub>2</sub>, OH, C<sub>1</sub>-C<sub>4</sub> alkyl and alkoxy, said alkyl and alkoxy possibly substituted by at least one halogen;

R<sub>2</sub> is selected from H, straight or branched C<sub>1</sub>-C<sub>4</sub> alkyl, possibly substituted by at least one halogen;

R<sub>3</sub> is selected from H, straight or branched C<sub>1</sub>-C<sub>4</sub> alkyl, possibly substituted by at least one halogen, (C<sub>6</sub>-C<sub>10</sub>)ArCH<sub>2</sub>, where Ar is possibly substituted by halogens, NO<sub>2</sub>, OH, C<sub>1</sub>-C<sub>4</sub> alkyl and alkoxy, said alkyl and alkoxy possibly substituted by at least one halogen;

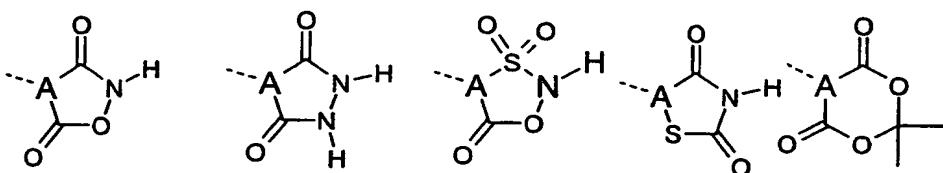
W is selected from OH, OR<sub>4</sub>, NH<sub>2</sub>;

R<sub>4</sub> is straight or branched C<sub>1</sub>-C<sub>4</sub> alkyl;

Y is selected from OH, OR<sub>5</sub>, NH<sub>2</sub>;

R<sub>5</sub> is straight or branched C<sub>1</sub>-C<sub>4</sub> alkyl;

or A, COY and R<sub>1</sub> together form a cycle of the type:



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their pharmacologically acceptable salts, racemic mixtures, individual enantiomers, geometric isomers or stereoisomers, and tautomers.

2. Compounds according to claim 1, in which Ar is a heteroaryl, preferably containing nitrogen as the heteroatom, and preferably f is 0, m is 1 or 2, Q is oxygen, and R is hydrogen.
3. Compounds according to claim 1, in which Ar is an aryl, possibly substituted by one or more halogen atoms, alkyl, alkoxy or lower haloalkyl, nitro, mono- or di-alkylamine, and preferably f is 0, m is 0, 1 or 2, Q is oxygen or HNC(O)O, and R is hydrogen.
4. Compounds according to one of claims 1-3, where R<sub>1</sub> is COW.

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5. Compound according to claim 1, selected from the group consisting of:
  - i. Diethyl 4-[2-(1-indolyl)ethoxy]benzylidenemalonate;
  - ii. Diethyl 4-[2-(1-indolyl)ethoxy]benzylmalonate;
  - 5 iii. Dimethyl 4-[2-(1-indolyl)ethoxy]benzylidenemalonate;
  - iv. Dimethyl 4-[2-(1-indolyl)ethoxy]benzylmalonate;
  - v. 4-[2-(1-indolyl)ethoxy]benzylmalonic acid;
  - vi. Methyl (2S)-amino-2-[4-[2-(1-indolyl)ethoxy]phenyl]-acetate;
  - 10 vii. Methyl 4-[2-(1-indolyl)ethoxy]benzoate;
  - viii. Methyl 3-[4-[2-(1-indolyl)ethoxy]phenyl]propanoate;
  - ix. Methyl 2-[4-[2-(1-indolyl)ethoxy]phenyl]acetate;
  - x. Methyl 2-sulpho-2-[4-[2-(1-indolyl)ethoxy]phenyl]acetate sodium salt;
  - 15 xi. Methyl (S)-2-benzoylamino-2-[4-[2-(1-indolyl)ethoxy]phenyl]acetate;
  - xii. Methyl 2-hydroxy-3-[4-[2-(1-indolyl)ethoxy]phenyl]-propanoate;
  - xiii. Dimethyl 4-[2-[4-(dimethylamino)phenyl]ethoxy]benzylmalonate;

- xiv. Methyl 3-[4-[2-(1-indolyl)ethoxy]phenyl]-2-cyano-propenoate;
- xv. Methyl 3-[4-[2-(1-indolyl)ethoxy]phenyl]-2-cyano-propenoate;
- 5 xvi. Dimethyl 4-[2-(3-indolyl)ethoxy]benzylidenemalonate;
- xvii. Dimethyl 4-[2-(1-naphthyl)ethoxy]benzylmalonate;
- xviii. Dimethyl 4-[2-(2-pyridyl)ethoxy]benzylmalonate;
- xix. Dimethyl 4-[2-(4-chlorophenyl)ethoxy]benzylmalonate;
- 10 xx. 5-[4-[2-(4-chlorophenyl)ethoxy]phenylmethylene]-thiazolidine-2,4-dione;
- xxi. 5-[4-[2-(4-chlorophenyl)ethoxy]phenylmethyl]thiazolidine-2,4-dione;
- xxii. Dimethyl 3-[2-(4-chlorophenyl)ethoxy]benzylmalonate;
- xxiii. Dimethyl 3-[2-(phenyl)ethoxy]benzylmalonate;
- 15 xxiv. Dimethyl 3-[N-(4-trifluoromethylbenzyl)carbamoyl]-4-methoxybenzylmalonate;
- xxv. Dimethyl 4-methoxy-3-[2-(4-chlorophenyl)ethoxy]benzylmalonate;
- xxvi. Dimethyl 3-(2-phenylethoxy)-4-methoxy benzylmalonate;
- 20 xxvii. Dimethyl 4-[2-(4-methoxyphenyl)ethoxy]benzylmalonate;

- xxviii. Dimethyl 4-[3-(4-methoxyphenyl)propyloxy]benzyl-malonate;
- xxix. Dimethyl 4-[2-(2-naphthyl)ethoxy]benzylmalonate;
- xxx. (2S)-2-benzoylamino-3-[4-[(4-methoxybenzyl)-carbamoyl]-oxyphenyl]ethyl propanoate;
- 5 xxxi. Dimethyl 4-[[[4-methoxybenzyl)carbamoyl]oxy]benzyl-malonate;
- xxxii. Dimethyl 4-[[[4-trifluorotolyl)carbamoyl]oxy]benzyl-mal-
- nate;
- 10 xxxiii. Dimethyl 4-[[[2,4-dichlorophenyl)carbamoyl]oxy]benzyl-ma-
- lonate;
- xxxiv. Dimethyl 4-[[[4-chlorophenyl)carbamoyl]oxy]benzyl-ma-
- lonate;
- 15 xxxv. Dimethyl 4-[2-(pyridinio)ethoxy]benzylmalonate methane-
- sulphonate;
- xxxvi. Dimethyl 4-[[[4-nitrophenyl)carbamoyl]oxy]benzyl-ma-
- lonate;
- xxxvii. Dimethyl 3-[[[4-methoxybenzyl)carbamoyl]oxy]benzyl-ma-
- lonate;
- 20 xxxviii. Dimethyl 3-[[[4-butylphenyl)carbamoyl]oxy]benzyl-ma-
- lonate;

xxxix. Dimethyl 4-[(4-butylphenyl)carbamoyl]oxy]benzyl-malonate;

xl. Dimethyl 3-[(4-chlorophenyl)carbamoyl]oxy]benzyl-malonate;

5 xli. (Z)-2-ethoxy-3-[4-[2-(4-chloro-phenyl)ethoxy]-phenyl]ethyl propenoate;

xlii. (E)-2-ethoxy-3-[4-[2-(4-chloro-phenyl)ethoxy]-phenyl]ethyl propenoate;

10 xliii. (R,S)-2-ethoxy-3-[4-[2-(phenyl)ethoxy]phenyl]ethyl propionate;

xliv. (R,S)-2-ethoxy-3-[4-[2-(4-chloro-phenyl)ethoxy]-phenyl]methyl propanoate;

xlv. Dimethyl 4-[2-(2,3-dimethyl-1-indolyl)ethoxy]benzyl-malonate.

15 6. Compounds according to claims 1-5 as medicines.

7. Pharmaceutical compositions containing at least one compound according to claims 1-5 in mixtures with pharmaceutically acceptable vehicles and/or excipients.

20 8. Use of the compounds according to claims 1-5 for the preparation of a medicine with serum glucose and serum lipid lowering activity.

9. Use of the compounds according to claims 1-5 for the preparation of a medicine for the prophylaxis and treatment of diabetes, particularly type 2, and its complications, Syndrome X, the various forms of insulin resistance and hyperlipdaemias.

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